



European Patent  
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# EUROPEAN SEARCH REPORT

Application Number

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EP 99 11 5963

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## DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 5 640 107 A (KRUSE NEILS A) 17 June 1997 (1997-06-17)	1,2	G06F17/50
Y	* column 4, line 35 - line 43 * * column 5, line 1 - line 22 * * column 6, line 1 - line 21 * * column 7, line 25 - column 8, line 27 * * column 9, line 65 - column 10, line 52 * * figure 1 *	3,4	
X	US 5 628 028 A (MICHELSON HENRY S) 6 May 1997 (1997-05-06)	1,2	
Y	* column 2, line 1 - line 44 * * column 3, line 34 - column 4, line 8 * * column 4, line 23 - line 33 * * figures 1-3 *	3,4	
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 11, 30 September 1999 (1999-09-30) & JP 11 167544 A (TOSHIBA CORP), 22 June 1999 (1999-06-22) * abstract *	1-4 i.T.	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12, 25 December 1997 (1997-12-25) & JP 09 212445 A (TOPPAN PRINTING CO LTD), 15 August 1997 (1997-08-15) * abstract *	1-4	G06F
The present search report has been drawn up for all claims			

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EPO FORM 1503 03 82 (P04C01)

Place of search

THE HAGUE

Date of completion of the search

28 January 2000

Examiner

Guingale, A

### CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone  
Y : particularly relevant if combined with another document of the same category  
A : technological background  
O : non-written disclosure  
P : intermediate document

T : theory or principle underlying the invention  
E : earlier patent document, but published on, or after the filing date  
D : document cited in the application  
L : document cited for other reasons

& : member of the same patent family, corresponding document

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# ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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28-01-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5640107 A	17-06-1997	NONE	
US 5628028 A	06-05-1997	AU 5181496 A WO 9627159 A	18-09-1996 06-09-1996
JP 11167544 A	22-06-1999	US 5978862 A	02-11-1999
JP 09212445 A	15-08-1997	NONE	

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